| Index of Claims | / ipproductive control to |
|--|---------------------------|
| # ##### ##### ######################## | 10/517,070 |
| | Examiner |
| † 1601.61 1000. 66064 4100 11011 18811 80111 10011 8011 1001 | Dr. Kelechi C. Egwim |

Applicant(s)/Patent under Reexamination Application/Control No. O ET AL. Art Unit

| | Allowed |
|----------|----------|
| √ | Rejected |

| | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

1713

| , | | | | | | | | | | | |
|----------|--|--|--------------|--------------|--|--|--------------|--|--------------|--|---|
| Cla | im | _ | | | | Date | 9 | | | | |
| Final | Original | 3/30/07 | 8/6/07 | | | | | | | | |
| | 1 | + | 2 | | | | | | | | |
| - | 2 | + | 2 | | _ | _ | _ | | _ | | |
| | 3 | + | 2 | _ | _ | | | | _ | | |
| | 1 2 3 4 5 6 | + | N | | | | | | \vdash | _ | |
| | 5 | + | 22 | | | | | | | | |
| | 6 | + | N | | | Г | | | | | |
| | 7 8 | + | Z > | | | _ | | | | | |
| \Box | 8 | + | 7 | | | Г | | | | | |
| | | + | | | | | | | | | |
| | 10 | + | 7 | | | | | | | | |
| | 11 | + | 7 | | | | | | | | |
| <u> </u> | 12 | + | 1 | | | | | | _ | _ | |
| | 11 12 13 14 15 16 17 18 | + | 77777777 | | | | • | | | | |
| <u> </u> | 14 | + | 1 | | | <u> </u> | | L. | <u> </u> | | |
| | 15 | + | V | | | | | _ | | <u> </u> | |
| <u> </u> | 16 | + | 1 | | | | L | | | | l |
| | 17 | + | 1 | L. | | L | | | L | | |
| | 18 | + | 1 | | | <u> </u> | | | | | |
| | 19 | + | 1 | _ | _ | <u></u> | | | | | ļ |
| | 20 | + | 1 | _ | | | | | | | |
| | 21 | + | 1 | | \perp | | | | | | |
| | 20 21 22 23 24 25 | | _ | _ | _ | L | _ | | _ | _ | ļ |
| | 23 | _ | _ | | | | | | | | |
| | 24 | _ | | | | <u> </u> | | <u> </u> | | |] |
| | 25 | | _ | _ | _ | <u> </u> | | <u></u> | _ | | |
| | 26 | _ | <u> </u> | | | <u> </u> | | _ | <u> </u> | | |
| | 27 28 29 | <u> </u> | _ | | | <u> </u> | | | | _ | |
| | 28 | <u> </u> | <u> </u> | | | <u> </u> | | _ | <u> </u> | <u> </u> | l |
| | 29 | _ | <u> </u> | | | ļ | _ | _ | _ | _ | ł |
| | 30 31 | <u> </u> | <u> </u> | | - | <u> </u> | | _ | _ | ┡ | ł |
| - | 31 | | | _ | _ | | - | \vdash | <u> </u> | \vdash | ł |
| - | 32 33 | ⊢ | ├ | | H | <u> </u> | | - | | | ł |
| <u> </u> | 34 | | ├ | H | \vdash | \vdash | \vdash | \vdash | \vdash | _ | ł |
| - | 35 | \vdash | \vdash | | H | \vdash | H | \vdash | | \vdash | l |
| | 35 36 | ├─ | | | | | - | | | | l |
| | 37 | \vdash | \vdash | \vdash | | \vdash | \vdash | \vdash | | \vdash | l |
| | 38 | - | | - | - | | | ├─ | | \vdash | l |
| _ | 39 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | l |
| _ | 40 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | l |
| \vdash | 41 | \vdash | \vdash | | \vdash | Η- | \vdash | | \vdash | - | 1 |
| | 42 | | <u> </u> | | \vdash | 1 | | \vdash | | | ١ |
| | 43 | | _ | _ | | | - | - | | - | 1 |
| | 44 | \vdash | \vdash | \vdash | \vdash | - | | \vdash | | | 1 |
| | 45 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | ١ |
| | 46 | _ | ┢ | | _ | \vdash | _ | 一 | \vdash | | ĺ |
| | 47 | \vdash | \vdash | | | <u> </u> | \vdash | Г | | | 1 |
| | 48 | \vdash | \vdash | | | \vdash | | \vdash | \vdash | | 1 |
| | 49 | \vdash | | | | _ | | | \vdash | \vdash | |
| | 50 | | | | Н | \vdash | | | | \vdash | 1 |

| | | | | | | _ | | | _ | | | | | | _ | _ | _ | | | _ | | | | _ |
|----------------------|----------|----------|----------|----------|----------|---------------|---|--------------|--|----------------|-----|-------|----------|----------|----------|---|----------|----------|---|---|---|-----------|---|----------|
| | | | | | | | | | | | , | | | | | | | | | | | | ı | _ |
| Cla | im | <u> </u> | | | | Date | _ | | _ | | - | Cla | im | | | | | ate | • | | | _ | | L |
| 10 12 12 13 | Original | 3/30/07 | 8/6/07 | | | | | | | | | Final | Original | | | | | | | | | | | i |
| | 1 | + | N | _ | _ | | | _ | | _ | ŀ | | 51 | | \dashv | _ | \neg | | | - | _ | \exists | | H |
| | 2 | + | 2 | | _ | | | | | _ | ŀ | | 52 | \dashv | \dashv | | | \dashv | | | | \neg | | H |
| | 3 | + | 7 | | _ | - | _ | | - | _ | Ì | | 53 | | _ | | 一 | | | | _ | | | ┢ |
| | 4 | + | 7 | _ | | - | | _ | | | ı | | 54 | \neg | 一 | | \neg | | | | | \neg | | Г |
| | 5 | + | Z | | | | | | | _ | | | 55 | | 一 | | | | | | | | | Г |
| _ | 6 | + | N | | | $\overline{}$ | | | | | Ì | | 56 | \Box | 一 | _ | | | | | _ | | | |
| | 7 | + | N | | | | | | | | Ì | | 57 | | \neg | | | | | | | | | Г |
| | 8 | + | 1 | | | | | | _ | | Ī | | 58 | | コ | | | | | | | | | Г |
| | 3 | + | | | | | | | | | Ì | | 59 | | ヿ | | _ | | | | | | | Г |
| | 10 | + | 1 | | | | | | | | ĺ | | 60 | | | | | | | | | | | |
| | 11 | + | 1 | | | | | | | | | | 61 | | | | | | | | | | | |
| | 12 | + | 7 | | | | | | | | [| | 62 | | | | | | | | | | | |
| | 13 | + | 7 | | | | ٠ | - | | | - [| | 63 | | | | | | | | | | | |
| | 14 | + | -1 | | | | | | L | | | | 64 | | | | | | | | | | 1 | L |
| | 15 | + | 1 | | | | | | | | | | 65 | | _ | | _ | | | | | | | L |
| | 16 | + | 1 | | | | | | | | | | 66 | | _ | | _ | | | | | | | 닟 |
| | 17 | + | 7 | L. | | | | | L | | - 1 | | 67 | | | | _ | | | | | | | L |
| _ | 18 | + | 1 | | | | | | | | L | | 68 | \Box | | | | | | | · | | 1 | L |
| | 19 | + | 7 | _ | | | | | | Ц | | | 69 | | _ | | _ | _ | | | | \perp | 1 | L |
| | 20 | + | 1 | _ | | | | | _ | | ļ | | 70 | _ | _ | | _ | | | | | | ĺ | L |
| | 21 | + | 7 | | | | | | | | ļ | | 71 | _ | _ | | _ | | | | | Щ | İ | L |
| | 22 | | _ | _ | _ | _ | _ | <u> </u> | _ | Ц | ļ | | 72 | \Box | _ | | _ | _ | | | | | İ | L |
| | 23 | _ | | | | | | | | Щ | ļ | | 73 | | | | | _ | | | | | İ | L |
| | 24 | | | | | _ | | $oxed{oxed}$ | | | | | 74 | | _ | | | _ | | _ | _ | | İ | _ |
| | 25 | | | _ | _ | | | <u> </u> | <u> </u> | \square | ŀ | | 75 | | _ | | _ | | · | | | | ĺ | |
| | 26 | | | | | <u> </u> | | | <u> </u> | Ш | ŀ | | 76 | - | | | | | | | | | 1 | <u> </u> |
| | 27 | L | | | | _ | | | _ | Н | - | | 77 | _ | _ | | | | | | _ | _ | ĺ | _ |
| | 28 | \vdash | _ | | | _ | | _ | ⊢ | Н | - } | | 78 | - | | | | | | _ | | | ĺ | - |
| | 29 | - | | | <u> </u> | _ | _ | _ | _ | Н | ŀ | | 79 | - | | | | | | | _ | | ĺ | |
| - | 30 31 | - | <u> </u> | _ | \vdash | _ | _ | <u> </u> | ┝ | $\vdash\vdash$ | ŀ | | 80 81 | - | | | | | | - | | | ĺ | _ |
| _ | 32 | - | - | - | | - | | ⊢ | ⊢ | Н | ŀ | | 82 | \vdash | \dashv | _ | \dashv | _ | | | | | ĺ | _ |
| | 33 | \vdash | <u> </u> | | \vdash | \vdash | | ⊢ | | \vdash | ŀ | | 83 | \vdash | \dashv | _ | \dashv | _ | _ | - | _ | - | ĺ | - |
| _ | 34 | - | | | H | \vdash | | ⊢ | | Н | ŀ | | 84 | - | - | _ | - | _ | | | | | ĺ | - |
| | 35 | | | | | | | <u> </u> | | H | ŀ | | 85 | \vdash | | | | | | | | | ĺ | - |
| _ | 35 36 | _ | | | - | | _ | - | _ | \vdash | ŀ | | 86 | \vdash | \dashv | | - | | _ | | | | ĺ | _ |
| | 37 | | - | \vdash | | \vdash | | \vdash | | Н | ŀ | | 87 | | | | _ | | _ | | _ | | ĺ | - |
| | 38 | \vdash | | - | - | | | - | _ | Н | Ì | | 88 | \dashv | _ | | | | | | | - | 1 | - |
| _ | 39 | \vdash | \vdash | | | \vdash | | \vdash | \vdash | \vdash | ı | | 89 | | | - | | | | Г | | | ĺ | |
| | 40 | | \vdash | | | | | \vdash | \vdash | П | ľ | | 90 | \Box | \neg | | _ | | | | _ | | ĺ | Г |
| | 41 | Г | | | | | | _ | \vdash | П | | | 91 | | | | | | | | | | ĺ | |
| _ | 42 | _ | | | | | | | | П | ı | | 92 | | | | | _ | | | | | ĺ | |
| _ | 43 | | | | | | | | | | | | 93 | | | | | | | | | | ĺ | |
| | 44 | Π | | | | | | | | | | | 94 | | | | | | | | | | ŀ | |
| | 45 | | | | | | | | | | - [| | 95 | | | | | | | | | | | |
| _ | 46 | | | | | | | | | | | | 96 | | | | | | | | | | | Г |
| | 47 | | | | | | | | | | [| | 97 | | | | | | | | | | | Ĺ |
| | 48 | | | | | | | | | | [| | 98 | | | | | _ | | | | | | Ĺ |
| | 49 | | | | | | | | | Ш | [| | 99 | |] | | | | | | | | ĺ | L |
| | 50 | | | | | Ĺ., | | L | <u></u> | Ш | | | 100 | | | | | | | | | | | |
| | - | | | | | | | | | | | | | | | | | | | | | | | |

| | | L | | | | | | | | | | | |
|-------|---|--|--|---|----------|----------|----------|---------------------------|--------------|-----------------|--|--|--|
| Cla | aim | Date | | | | | | | | | | | |
| Final | Original | | | | | | | | | | | | |
| | 101 | | Г | | | | | | | М | | | |
| | 101 102 103 | | | | | | | | | | | | |
| | 103 | | | | | | | | ì | | | | |
| | 104 | | | | _ | | | _ | _ | | | | |
| | 105 | | _ | _ | _ | | | ļ., | <u> </u> | \dashv | | | |
| | 106 107 | | - | | | | | | | \dashv | | | |
| | 108 | _ | | | | _ | | - | - | H | | | |
| | 108 109 | | \vdash | | | | \vdash | | | | | | |
| | 110 | | | | | | | | | | | | |
| | 111 | | | | | · | | | | | | | |
| | 112 | | | L | <u> </u> | | | | | Ш | | | |
| | 113 | <u> </u> | <u> </u> | L | <u> </u> | | | _ | L. | $\vdash \vdash$ | | | |
| | 114 115 | <u> </u> | <u> </u> | Ë | - | | _ | | _ | \dashv | | | |
| | 116 | - | \vdash | _ | - | | | - | _ | \dashv | | | |
| | 117 | \vdash | \vdash | | - | | H | | | | | | |
| | 118 | | | | - | | | - | | | | | |
| | 119 | | | | _ | | | | - | | | | |
| | 120 | | | | | _ | | | | | | | |
| | 121 | | | | | | | | | | | | |
| | 122 | _ | <u> </u> | | | | | | | | | | |
| · · | 119 120 121 122 123 124 125 126 127 128 129 | <u> </u> | <u> </u> | _ | _ | | | _ | _ | Н | | | |
| | 124 | \vdash | | - | | _ | _ | | | Н | | | |
| | 125 | \vdash | | | | \vdash | _ | | | \vdash | | | |
| | 127 | ┢── | | Н | | \vdash | Н | | | Н | | | |
| | 128 | - | | | | | _ | | | П | | | |
| | 129 | | | | | | | | | | | | |
| | 130 131 132 | | | | | | | | | | | | |
| | 131 | _ | <u> </u> | | _ | _ | | | | Щ | | | |
| | 132 | _ | <u> </u> | _ | \vdash | <u> </u> | _ | ļ. | <u> </u> | $\vdash \vdash$ | | | |
| | 133 134 | | | | - | | | - | _ | $\vdash \vdash$ | | | |
| | 135 | | ┢─ | | - | - | | \vdash | H | $\vdash \vdash$ | | | |
| | 136 | | | | | | | | | Н | | | |
| | 136 137 | | | | | | | | | | | | |
| | 138 | | | | | | | | | | | | |
| | 139 | ļ | _ | | | | | | <u> </u> | _ | | | |
| | 140 | _ | <u> </u> | H | _ | | _ | _ | _ | Щ | | | |
| | 141 142 | | - | - | - | <u> </u> | | - | ├— | \vdash | | | |
| | 143 | \vdash | | H | \vdash | | \vdash | \vdash | \vdash | $\vdash \vdash$ | | | |
| | 144 | | | H | H | \vdash | \vdash | - | | $\vdash \vdash$ | | | |
| | 145 | Т | Г | _ | _ | \vdash | \vdash | Г | | | | | |
| | 146 | | | | | | | | | | | | |
| | 147 | | | | | | | | | | | | |
| | 148 | | | | L | _ | L | | L | Ш | | | |
| | 149 | _ | lacksquare | L | <u> </u> | | <u> </u> | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | \sqsubseteq | | | |
| | 150 | L | L | | | | | | | L | | | |